

Title (en)

METHOD AND SYSTEM FOR MONITORING DISTRACTED DRIVING, AND ELECTRONIC DEVICE

Title (de)

VERFAHREN, SYSTEM UND ELEKTRONISCHE VORRICHTUNG ZUR ÜBERWACHUNG VON ABGELENKTEM FAHREN

Title (fr)

PROCÉDÉ ET SYSTÈME DE SURVEILLANCE DE LA DISTRACTION AU VOLANT, ET DISPOSITIF ÉLECTRONIQUE

Publication

EP 3730371 A4 20201118 (EN)

Application

EP 19817571 A 20191203

Priority

- CN 201910175982 A 20190308
- CN 2019122790 W 20191203

Abstract (en)

[origin: EP3730371A1] A distracted-driving monitoring method, system and an electronic device are provided. The distracted-driving monitoring method includes: acquiring an image of a driver; detecting a target object in the image to obtain a detection result; obtaining a determination result of a driving behavior according to the detection result; and sending an alarm signal when the determination result indicates that a distracted-driving behavior occurs. Through at least some embodiments of the present invention, the distracted-driving behavior of the driver can be monitored in real time and alarmed, thus urging the driver to concentrate in driving, to ensure safe driving and avoid traffic accidents. In addition, the specific type of the distracted-driving behavior can also be determined and different alarm signals can be given, which can be used as a basis for law enforcement or for data collection, data analysis, and further manual confirmation; thereby solving the problem of traffic accidents caused by not monitoring the distracted-driving behavior of the driver during driving.

IPC 8 full level

B60W 40/09 (2012.01); **B60W 50/14** (2020.01); **G06K 9/00** (2006.01)

CPC (source: CN EP KR US)

B60W 40/08 (2013.01 - US); **B60W 40/09** (2013.01 - CN KR); **B60W 50/14** (2013.01 - CN KR); **B60W 50/16** (2013.01 - US); **G06V 20/597** (2022.01 - EP KR US); **G06V 20/64** (2022.01 - US); **G06V 40/161** (2022.01 - EP KR US); **B60W 2050/0005** (2013.01 - KR); **B60W 2050/143** (2013.01 - KR US); **B60W 2050/146** (2013.01 - KR US); **B60W 2420/403** (2013.01 - US); **B60W 2540/229** (2020.02 - US); **G06T 2207/30201** (2013.01 - US); **G06T 2207/30268** (2013.01 - US); **G06V 2201/07** (2022.01 - US)

Citation (search report)

- [X1] US 2014368628 A1 20141218 - TSOU CHIA-CHUN [TW], et al
- [X1] US 2019065873 A1 20190228 - WANG FEI [CN], et al
- [A] ANONYMOUS: "Statistical classification - Wikipedia", 28 May 2018 (2018-05-28), XP055724678, Retrieved from the Internet <URL:https://en.wikipedia.org/w/index.php?title=Statistical_classification&oldid=843354472> [retrieved on 20200824]
- See also references of WO 2020181840A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3730371 A1 20201028; **EP 3730371 A4 20201118**; CN 111661059 A 20200915; CN 111661059 B 20220708; JP 2022523247 A 20220421; JP 7407198 B2 20231228; KR 102543161 B1 20230614; KR 20210135313 A 20211112; US 11783599 B2 20231010; US 2022180648 A1 20220609; WO 2020181840 A1 20200917

DOCDB simple family (application)

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